

Toad® DevOps Toolkit

Boost DevOps velocity by integrating Oracle database development.

Organizations today are under a tremendous amount of pressure to build, test and release software and updates in a rapid and reliable fashion. Many of them have implemented DevOps to help automate these processes using agile methodologies and continuous integration and continuous deployment techniques.

However, databases have traditionally been developed and managed separately because of their complexity and sensitive nature — making database development a huge bottleneck in an otherwise agile DevOps workflow.

Toad® DevOps Toolkit removes this bottleneck by making it easy to execute key database development functions within your DevOps workflow — without compromising quality, performance or reliability.

This unique Windows application exposes key Toad for Oracle functionality as programmable objects. For example, you can:

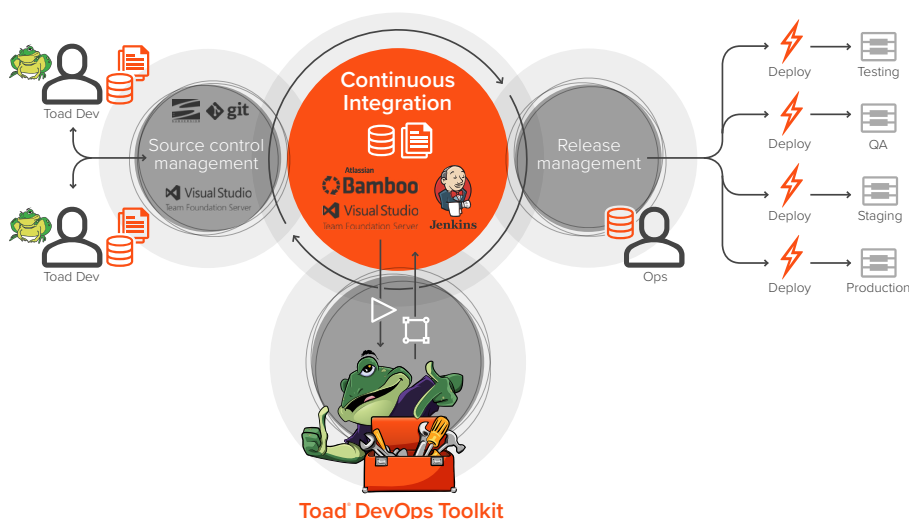
- Test PL/SQL code to ensure functional correctness
- Review code to make sure it meets standards for quality and maintainability
- Perform database, schema and data compare and sync to ensure integrity and mitigate risks
- Implement scripts to physically deploy database changes

As a result, DevOps automation tools such as Jenkins and Bamboo can include database-related steps as part of continuous integration processes via DevOps scripts — speeding project completion while ensuring code quality.

With Toad DevOps Toolkit, you can execute key database development functions within your DevOps workflow without compromising quality, performance or reliability.

BENEFITS:

- Integrates database development, testing and deployment tasks into the DevOps workflow
- Provides static code quality statistics in continuous integration and continuous delivery environments
- Facilitates code quality by testing PL/SQL code function and quality standards and providing pass/fail notifications to the build process
- Provides report content to the build process in a variety of formats, including HTML and JSON
- Ensures project deadlines can be met across application and database deployment
- Boosts productivity with minimal disruption to current DevOps processes
- Integrates with most continuous integration and continuous delivery tools, including Jenkins, Bamboo and Maven



Workflow showing integration of database development with DevOps processes via Toad DevOps Toolkit

SYSTEM REQUIREMENTS

For complete system requirements, see the release notes.

CLIENT REQUIREMENTS

Internet connection

Intel Pentium PC

1GB RAM and 120MB disk space for Toad for Oracle 32-bit

2GB RAM and 150MB disk space for Toad for Oracle 64-bit

Oracle Client or Instant Client 12c (not supported on Windows XP)

SERVER REQUIREMENTS

Oracle 8.0.6 through 12c

Any hardware platform

CLOUD DATABASE SERVICE

Amazon EC2 or Oracle Database Cloud Service

VIRTUALIZATION SUPPORT

Application: Citrix XenApp 5.0 and 6.5

Desktop: vWorkspace 7.0

Server: Oracle VM 3.1, VMware ESX 3.5

FEATURES

- **Faster DevOps pipeline** — Synchronizes database and application changes within your DevOps process to ensure deadlines can be met across application and database deployments
- **Better code quality** — Leverages the power of Toad for Oracle to improve code quality during automated build processes by exposing key Toad functionality as programmable objects
- **PL/SQL testing** — Ensures functional correctness by running unit tests for all PL/SQL code in the build process and providing pass/fail status notifications
- **Static code reviews** — Improves quality and maintainability by performing static code reviews based on pre-defined rules and providing pass/fail status notifications based on pre-defined thresholds
- **Database, schema and data compare** — Compares configurations, schema objects and table data between source and target databases (such as dev and test) and generates sync scripts
- **Script execution** — Promotes build artifacts into the target environment and reports success or failure status

- **Choice of DevOps tools** — Integrates with most continuous integration and continuous delivery tools, including Jenkins, Bamboo and Maven
- **Easy deployment** — Runs on a Windows machine and minimizes disruption to existing DevOps processes
- **Trusted vendor** — Builds on Quest team's long track record of delivering reliable, comprehensive and high-quality solutions, along with enterprise-level technical support services

ABOUT QUEST

At Quest, our purpose is to solve complex problems with simple solutions. We accomplish this with a philosophy focused on great products, great service and an overall goal of being simple to do business with. Our vision is to deliver technology that eliminates the need to choose between efficiency and effectiveness, which means you and your organization can spend less time on IT administration and more time on business innovation.